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Product	Cat. #	Size	Unit	Price	Qty.	
pGEM®-3Zf(+) Vector	P2271	207g	Each	\$ 64.00	<input type="text" value="1"/>	add
pGEM®-3Zf(-) Vector	P2261	207g	Each	\$ 64.00	<input type="text" value="1"/>	add

[Component Listing](#) [View Figures](#) **Description**

The pGEM®-3Zf(+) and pGEM®-3Zf(-) Vectors^(a) are derived from the pGEM®-3Z Vector and contain the origin of replication of the filamentous phage f1. These plasmids contain T7 and SP6 RNA polymerase promoters flanking a multiple cloning region within the 3'-peptide coding region of 3-galactosidase (1). Insertional inactivation of the 3'-peptide allows recombinant clones to be directly identified by color screening on indicator plates when using appropriate *E. coli* strains (e.g., JM109). These plasmids serve as standard cloning vectors, as templates for in vitro transcription, and can be used for the production of circular ssDNA. The pGEM®-3Zf(+) and pGEM®-3Zf(-) Vectors are identical except for the orientation of the f1 origin.

Features

- **Blue/White Screening:** Allows the easy identification of recombinant clones.
- **Versatile:** These vectors can be used for standard cloning, single-stranded DNA production and in vitro transcription from SP6 and T7 RNA polymerase promoters flanking the multiple cloning region.
- **Convenient:** Multiple cloning site provides a selection of restriction sites for cloning.

Protocol[pGEM®-3Zf\(+\) Vector Technical Bulletin #TB086.](#)[pGEM®-3Zf\(-\) Vector Technical Bulletin #TB045.](#)**Vector Sequence**[pGEM®-3Zf\(+\) Vector sequence.](#)[pGEM®-3Zf\(-\) Vector sequence.](#)**Storage Conditions**

Store vector at -20°C and bacterial strain at -70°C.

GenBank®/EMBL**Accession Number**

(+) X65306; (-) X65307.

References

1. Yanisch-Perron, C. *et al.* (1985) *Gene* **33**, 103-19.

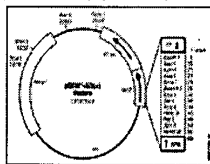
Patents/Disclaimers

(a) U.S. Pat. No. 4,766,072.

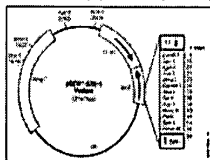
Figures

(click image to enlarge)

pGEM®-3Zf(+) Vector (P2271)



pGEM®-3Zf(-) Vector (P2261)

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pGEM-3Zf(+/-) Vectors

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